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L59: Entry 1 of 1

File: JPAB

Sep 22, 1994

PUB-NO: JP406265837A

DOCUMENT-IDENTIFIER: JP 06265837 A

TITLE: MAGNETIC SUPERFINE PARTICLE FILM FUNCTION ELEMENT AND ITS PRODUCTION

PUBN-DATE: September 22, 1994

INVENTOR-INFORMATION:

NAME	COUNTRY
TAKETOMI, KO	
OZAKI, YOSHIHARU	
KAWASAKI, KENJI	

ASSIGNEE-INFORMATION:

NAME	COUNTRY
MATSUMOTO YUSHI SEIYAKU CO LTD	

APPL-NO: JP04252333

APPL-DATE: September 22, 1992

US-CL-CURRENT: 359/280INT-CL (IPC): G02F 1/09

ABSTRACT:

PURPOSE: To provide the magnetic superfine particle film function element formed with a magnetic superfine particle film on a substrate and the process for production of the magnetic superfine particle film function element for production thereof.

CONSTITUTION: Superfine particles of $5\text{Fe(OH)}_3\text{33Y(OH)}_3$ or superfine particles of $[\text{5Fe(OH)}_3] \cdot [(\text{3-x-y})\text{Y(OH)}_3] \cdot [\text{xM(OH)}_3] \cdot [\text{yN(OH)}_3]$ are formed by using an alkoxide method and are stably dispersed into an org. solvent. After the colloidal soln. prep'd. in such a manner is applied on the substrate 100, the substrate 100 is calcined, by which the film 200 of the crystalline YIG superfine particles (crystalline YIG compd. superfine particles) is formed on the substrate 100. The magnetic superfine particle film function element operating as a magnetic thin film function element or magnetic thick film function element is realized.

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L45: Entry 33 of 39

File: DWPI

Sep 22, 1994

DERWENT-ACC-NO: 1994-344201

DERWENT-WEEK: 199443

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TITLE: Magnetic ultrafine particle film element - comprising transparent or opaque substrate and pref. yttrium-iron-garnet particle film

PATENT-ASSIGNEE:

ASSIGNEE	CODE
MATSUMOTO YUSHI SEIYAKU KK	MATI

PRIORITY-DATA: 1992JP-0252333 (September 22, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 06265837 A	September 22, 1994		010	G02F001/09

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 06265837A	September 22, 1992	1992JP-0252333	

INT-CL (IPC): G02F 1/09

ABSTRACTED-PUB-NO: JP 06265837A

BASIC-ABSTRACT:

Ultrafine particle films (pref. of YIG (F35Y3O12) opt. also contg. Bi, Gd, In and one of rare earth elements) are formed on a transparent or opaque substrate.

USE - The element operates as a magnetic thin film element or magnetic thick film element.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: MAGNETIC ULTRAFINE PARTICLE FILM ELEMENT COMPRISE TRANSPARENT OPAQUE SUBSTRATE PREFER YTTRIUM IRON GARNET PARTICLE FILM

DERWENT-CLASS: L03 P81 V07

CPI-CODES: L03-B02B3;

EPI-CODES: V07-K03;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1994-156632

Non-CPI Secondary Accession Numbers: N1994-270038

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Case Creation Option*Case "09679856" already exists. Please overwrite it or cancel the operation.***The Contents of Case "09679856"**

Qnum	Query	DB Name	Thesaurus	Operator	Plural
Q1	glass near10 ferromagnetic particles	USPT	None	ADJ	YES
Q2	recording medium.ab. and glass near20 particles	USPT	None	ADJ	YES
Q3	recording medium.ab. and glass near20 \$magnetic near3 (crystals or particles)	USPT	None	ADJ	YES
Q4	glass near10 (garnet adj1 crystals)	USPT	None	ADJ	YES
Q5	garnet near2 (cysts or particles or nanoparticles or nanocrystals)	USPT	None	ADJ	YES
Q6	Q5 near10 glass	USPT	None	ADJ	YES
Q7	garnet near2 (cysts or particles or nanoparticles or nanocrystals)	PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q8	Q7 near10 glass	PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q9	(428/325.cc1s.) and garnet.clm.	USPT	None	ADJ	YES
Q10	glass near10 nanoparticles	USPT	None	ADJ	YES
Q11	(501/\$.cc1s.) and nano- or nanoparticles or nanocrystals	USPT	None	ADJ	YES
Q12	(501/\$.cc1s.) and (nano- or nanoparticles or nanocrystals)	USPT	None	ADJ	YES

Q13	(428/325.ccls.) or (428/323.ccls.)	USPT	None	ADJ	YES
Q14	Q13 and glass matrix	USPT	None	ADJ	YES
Q15	5093173.pn.	USPT	None	ADJ	YES
Q16	5087481.pn.	USPT	None	ADJ	YES
Q17	(3754881 3938978 3962514 4083727 4683168 4758471 4833001 4833031 4859505 4908727 4971932 4985306 5087481 5093173)! [pn]	USPT,PGPB	None	ADJ	YES
Q18	Q17 and particles	USPT,PGPB	None	ADJ	YES
Q19	glass near10 particles and recording.ab.	USPT,PGPB	None	ADJ	YES
Q20	glass near10 particles near10 embedded and recording.ab.	USPT,PGPB	None	ADJ	YES
Q21	5103284.pn.	USPT	None	ADJ	YES
Q22	4969141.pn.	USPT	None	ADJ	YES
Q23	(501/\$.ccls.) and glass near10 garnet	PGPB	None	ADJ	YES
Q24	(501/\$.ccls.) and glass near10 garnet	USPT	None	ADJ	YES
Q25	(501/\$.ccls.) and magnetic near3 (particles or crystals)	USPT	None	ADJ	YES
Q26	rare earth near2 (crystals or particles) and glass.ab.	USPT	None	ADJ	YES
Q27	(428/325.ccls.) or (428/323.ccls.) and glass.ab. near2 matrix	USPT	None	ADJ	YES
Q28	((428/325.ccls.) or (428/323.ccls.) and glass.ab. near2 matrix)	USPT	None	ADJ	YES
Q29	((428/325.ccls.) or (428/323.ccls.)) and glass.ab. near2 matrix	USPT	None	ADJ	YES
Q30	rare earth iron garnet crystals	USPT	None	ADJ	YES

Q31	glass near10 garnet near2 (particles or crystals)	USPT	None	ADJ	YES
Q32	6045925.pn.	USPT	None	ADJ	YES
Q33	yag near2 particles	USPT	None	ADJ	YES
Q34	porous near2 glass.ab. and particles.ab.	USPT	None	ADJ	YES
Q35	yig	USPT	None	ADJ	YES
Q36	yig near2 (partciles or crystals) and glass	USPT	None	ADJ	YES
Q37	yig near2 (particles or crystals) and glass	USPT	None	ADJ	YES
Q38	yig near2 particles and glass	USPT	None	ADJ	YES
Q39	yig near2 particles and glass	PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q40	(yig near5 particles) and glass	PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q41	rare earth oxide near2 particles	USPT	None	ADJ	YES
Q42	rare earth oxide adj1 particles	USPT	None	ADJ	YES
Q43	Q42 and glass.ab.	USPT	None	ADJ	YES
Q44	glass near10 yig crystals	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q45	yttrium iron garnet adj1 (crystals or particles)	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q46	5420845.pn. and glass	USPT	None	ADJ	YES
